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## NOTICE OF ALLOWANCE AND FEE(S) DUE

22850 7590 09/19/2008

09/19/2008

OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA. VA 22314 EXAMINER
TAROLCAL WILLIAM F

ART UNIT PAPER NUMBER

3744

DATE MAILED: 09/19/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/533,535	06/22/2006	Daisuke Shimamoto	271625US3PCT	1627
TITLE OF INVENTION: A	IR CONDITIONER			

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	12/19/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further e indicated unless correcte maintenance fee notificat	a below or directed on	or transmitting the ISSI ing the Patent, advance of nerwise in Block 1, by (	a) specifying a new corre	spondence address;	and/or (b) ir	idicating a sepa	nould be completed where correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Non: Un Block 1 for my change of softens)  Note: A certificate of mailing can only be used for domestic mailings can perfect of press					or any other accompanying		
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OBLON, SPIV 1940 DUKE STE ALEXANDRIA,	AK, MCCLELLA REET , VA 22314	AND MAIER & N	EUSTADT, P.C.1 he Stal add tran	reby certify that the es Postal Service we ressed to the Mail smitted to the USP.	tificate of Ma is Fec(s) Tran rith sufficient Stop ISSUE FO (571) 273	niling or Transi ismittal is being postage for firs FEE address -2885, on the da	nission deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
							(Depositor's name)
			<u> </u>				(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY	DOCKET NO.	CONFIRMATION NO.
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EXAM		ART UNIT	CLASS-SUBCLASS	J			
TAPOLCAI,		3744	062-238700				
"Fee Address" indi PTO/SB/47; Rev 03-0: Number is required.  3. ASSIGNEE NAME AT	ondence address (or Cha W122) attached. cation (or "Fee Address 2 or more recent) attach	C) the faint of a single firm thaving as a firefact a registered attentive or agent) and the names of up to 2 registered patent alterneys or agents. If no name is listed, no name will be printed.  (THE PATENT (print or type)					
(A) NAME OF ASSIC	SNEE		(B) RESIDENCE: (CITY	and STATE OR C	OUNTRY)		ocument has been filed for
Please check the appropri	ate assignee category or				•		<u> </u>
4a. The following fee(s) are submitted:  I ssue Fee  Publication Fee (No small entity discount permitted)  Advance Order - # of Copies			b. Payment of Fee(s): (Ple: A check is enclosed. Payment by credit ca: The Director is hereby overpayment, to Depo	rd. Form PTO-2038	is attached.	d fee(s), any de	
	SMALL ENTITY state	as. See 37 CFR 1.27.	☐ b. Applicant is no lon				
NOTE: The Issue Fee and interest as shown by the r	I Publication Fee (if req ecords of the United Sta	uired) will not be accepte tes Patent and Trademark	ed from anyone other than to k Office.	the applicant; a regi	stered attorne	y or agent; or th	e assignee or other party in
Authorized Signature				Date			
Typed or printed name				Registration N			
This collection of informa an application. Confident submitting the completed this form and/or suggestic Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C iality is governed by 35 I application form to the ons for reducing this bu irginia 22313-1450. DO 13-1450.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR	on is required to obtain or 1.14. This collection is es depending upon the indi- the Chief Information Offic COMPLETED FORMS T	retain a benefit by the timated to take 12 revidual case. Any co er, U.S. Patent and O THIS ADDRESS	he public whi ninutes to con mments on the Trademark O SEND TO:	ch is to file (and implete, including ne amount of tir ffice, U.S. Depa Commissioner f	by the USPTO to process) g gathering, preparing, and ne you require to complete utment of Commerce, P.O. for Patents, P.O. Box 1450,

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## UNITED STATES PATENT AND TRADEMARK OFFICE

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OBLON, SPIVA	K, MCCLELLAND	TAPOLCAI,	WILLIAM E			
1940 DUKE STREET ALEXANDRIA, VA 22314			ART UNIT	PAPER NUMBER		
			3744			

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 197 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 197 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

## Notice of Allowability

Application No.	Applicant(s)
10/533,535	SHIMAMOTO ET AL.
Examiner	Art Unit
William F. Tapolcai	3744

The MAILING DATE of this communication appears on the All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMOREWITH (or previously mailed), a Notice of Allowance (PTOL-85) or other NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.  of the Office or upon petition by the applicant. See 37 CFR 1.313 and MP	MAINS) CLOSED in this application. If not included appropriate communication will be mailed in due course. THIS This application is subject to withdrawal from issue at the initiative
<ol> <li>This communication is responsive to the amendment filed on August</li> </ol>	<u>st 5, 2008</u> .
2. The allowed claim(s) is/are 1.3-9 and 12-16.	
3.	belived.  Delived in Application No  have been received in this national stage application from the munication to file a reply complying with the requirements his application.  The the attached EXAMINER'S AMENDMENT or NOTICE OF (s) why the oath or declaration is deficient. In the company of the c
Attachment(s)  1.   Notice of References Cited (PTO-892)  2.   Notice of Draftperson's Patent Drawing Review (PTO-948)  3.   Information Disclosure Statements (PTO/SB/08),	5. Notice of Informal Patent Application 6. Interview Summary (PTO-413), Paper No./Mail Date 7. Examiner's Amendment/Comment 8. Examiner's Statement of Reasons for Allowance 9. Other

Application/Control Number: 10/533,535

Art Unit: 3744

 An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

- This application is in condition for allowance except for the presence of claims 10 and 11 directed to an invention non-elected without traverse. Accordingly, claims 10 and 11 have been cancelled.
- 3. The following is an examiner's statement of reasons for allowance: the claims are allowable because the prior art of record fails to disclose or teach the claimed plurality of indoor units each comprising plural heat exchanges and plural flow controllers, and a gas refrigerant flows into one heat exchanger of one indoor unit to perform a heating operation or a liquid refrigerant flows into one heat exchanger of one indoor unit to perform a cooling operation, a gas refrigerant flows into a heat exchanger of another indoor unit, and a liquid refrigerant flows into another heat exchanger of the other indoor unit to perform a temperature and humidity operation (claim 1), or the plurality of indoor units each with one pipe for high pressure refrigerant and one pipe for low pressure refrigerant, and one of the indoor units selectively performing a heating or cooling operation, while the other unit has a second heat exchanger performing a cooling operation and a reheat exchanger located at a leeward side of the second heat exchanger (claim 12).

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William E. Tapolcai whose telephone number is (571) 272-4814. The examiner can normally be reached on Mon. - Thurs., 6:30 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl J. Tyler can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/William E. Tapolcai/ Primary Examiner, Art Unit 3744